

AMENDMENTS TO THE CLAIMS

Please amend the claims as indicated hereafter.

1. (Currently Amended) A system for tracking the location of a shipping container via communication with at least one a satellite and a central server comprising:
 - a central server;
 - a portable detachable tracking unit comprising:
 - an antenna arrangement that is capable of communication with both a GPS satellite and a two-way satellite;
 - a processing device;
 - a GPS receiver for receiving signals from the GPS satellite;
 - a transmitter and receiver for communicating with the central server via the two-way satellite;
 - a modem;
 - an internal power supply provided by at least one interconnected fuel cell and battery;
 - detecting means for detecting when the tracking unit has been detached from a shipping container and communicating that information via the two-way satellite to the central server;
 - detecting means for detecting when the tracking unit has been tampered with and communicating that information via the two-way satellite to the central server;
 - a housing; and
 - means for attaching and detaching the tracking unit to the shipping container.

Claims 2. - 6. (Cancelled)

7. (Original) The system of claim 1, in which the tracking unit has a memory capable of receiving and storing geo-fencing information on the specified route to its destination and the processing device is programmed to determine if the tracking unit is outside of the geo-fence and to communicate that information to the central server via the two-way satellite.

8. (Original) The system of claim 1, in which the shipping container has at least one door and at least one locking bar for locking all doors with the tracking unit being attached to the locking bars so that the locking bars can not be unlocked without first detaching the tracking unit.

9. (Original) The system of claim 1, in which the shipping container has at least one door and at least one locking bar for locking all doors with the tracking unit being attached to the locking bars by least one clamp that clamps around a locking bar that prevents the tracking unit from moving up and down on the bar and the tracking unit is also directly attached to the shipping container so that the bars can not be moved to unlock the doors without detaching the tracking unit.

10. (Original) The system of claim 8, in which the tracking unit is attached to at least one locking bar by a special fastener that can not be released without using a special tool.

11. (Currently Amended) The system of claim 1, in which ~~the~~ at least one antenna in the tracking unit is located in the vertical position in relation to the surface of the earth in order to better transmit and receive communications.

12. (Currently Amended) A portable detachable tracking unit for transmitting its location via communication with a satellite to a central server, said tracking unit being capable of being attached and detached from a shipping container, said tracking unit comprising:

an antenna arrangement that is capable of communication with both a GPS satellite and a two-way satellite;

a processing device;

a GPS receiver for receiving signals from the GPS satellite;

a transmitter and receiver for communicating with ~~for transmitting information to~~ the central server via the two-way satellite;

a modem;

an internal power supply provided by at least one interconnected fuel cell and battery;

detecting means for detecting when the tracking unit has been detached from a shipping container and communicating that information via the two-way satellite to a central server;

detecting means for detecting when the tracking unit has been tampered with and communicating that information via the two-way satellite to a central server;

a housing; and

means for attaching and detaching the tracking unit to a shipping container.

Claims 13 - 17 (Cancelled)

18. (Original) The portable detachable tracking unit of claim 12, in which the tracking unit has a memory capable of receiving and storing geo-fencing information on the specified route to its destination and the processing device is programmed to determine if the tracking unit is outside of the geo-fence to and communicating that information to the central server via the two-way satellite.

19. (Currently Amended) The portable detachable tracking unit of claim 12, in which the at least one antenna is located in the vertical position in relation to the surface of the earth in order to better transmit and receive communications.

20. (Currently Amended) The portable detachable tracking unit of claim 12, in which the tracking unit is constructed at least partially of plastic and a cushioning material is placed between the back of the tracking unit and a door of the shipping container.

21. (Currently Amended) A shipping container with at least one door and at least one locking bar for locking all doors and a portable detachable tracking unit, said tracking unit comprising:

an antenna that is capable of communication with both a GPS satellite and a two-way satellite;

a processing device;

a GPS receiver for receiving signals from the GPS satellite;

a transmitter and receiver for communicating with an internal power supply
provided by at least one interconnected fuel cell and battery for transmitting information to a
central server via the two-way satellite;

a modem;

~~a housing; and~~

means for attaching said tracking unit to the locking bars so that the locking bars can not be unlocked without first detaching the tracking unit.

22. (Cancelled)

23. (Currently Amended) The shipping container ~~and built-in tracking unit~~ of claim 21 in which there are also means for determining when the tracking unit has been tampered with and means for communicating that information via the two-way satellite to the central server.

24. (Currently Amended) The portable detachable tracking unit of claim 12, in ~~which the tracking unit further includes~~ a battery ~~that~~ powers those components which need to be on to receive messages from the central server via the two-way satellite and to power a clock and to turn other electrical components on that are powered by another source of power, and a fuel cell ~~that~~ powers all components not powered by the battery.

Claims 25-33 (Cancelled)

34. (New) The portable detachable tracking unit according to claim 21 in which at least one antenna is located in the vertical position in relation to the surface of the earth in order to better transmit and receive communications.

35. (New) The portable detachable tracking according to claim 21 in which the tracking unit is constructed at least partially of plastic and a cushioning material is placed between the back of the tracking unit and a door of the shipping container.

36. (New) The shipping container of claim 21, in which the tracking unit has means to shut down part of the electronic components and waking them up upon the occurrence of certain events or a command received from the central server.

37. (New) The portable detachable tracking unit according to claim 12, which has means to connect to a nearby computer with access to the tracking unit being programmed to only grant access pursuant to a secret code, said tracking unit being capable of being programmed by the nearby computer to carry out certain functions and to transmit certain information.

38. (New) The shipping container of claim 21, in which the tracking unit is constructed at least partially of plastic and a cushioning material is placed between the back of the tracking unit and a door of the shipping container.

39. (New) The portable detachable tracking unit according to claim 12, in which at least some of the electrical connections for the various electrical components are an integral part of the housing.

40. (New) The shipping container according to claim 21 in which at least some of the electrical connections for the various electrical components in the tracking unit are an integral part of the housing.

41. (New) The tracking unit according to claim 12 in which the unit has GSM communication capability.

42. (New) The shipping container at claim 21 in which the tracking unit has GSM communication capability.

43. (New) A system for tracking the location of a shipping container via communication with a communication platform and a central server comprising;
a central server;

a portable detachable tracking unit comprising;
an antenna arrangement that is capable of communication with a communication platform;
a processing device;
a transmitter and receiver for communicating with the central server via the communication platform;
a modem;
an internal power supply provided by at least one interconnected fuel cell and battery;
detecting means for detecting when the tracking unit has been detached from a shipping container and communicating that information via the two-way satellite to the central server;
detecting means for detecting when the tracking unit has been tampered with and communicating that information via the communication platform to the central server;
a housing; and
means for attaching and detaching the tracking unit to the shipping container.

44. (New) The system of claim 43 in which the communication platform is a GSM/GPRS platform.

45. (New) The system of claim 43 in which the communication platform is a UMTS platform.

46. (New) The system of claim 43 in which the communication platform is a WLAN platform.